Name(s) of Risk Tean Edward Lessard	nme(s) of Risk Team Members: lward Lessard		Point Value → Parameter ↓	→		1			2	3	4			5		
Area/Facility Descript		≤once/year							≤once/shift							
Area/Facility # (if app	Occupancy or Use				ar		≤once/month	≤once/week					≥once/shift			
Area/Facility Description: Facility-Wide Fire Protection Systems and Practices			Severity	First Aid Only			nly	ľ	Medical Treatment Lost Time		Partial Disability		Death or Permanent Disability			
Approved by: E. Lessard Date: May 5, 2006 Rev.#: 0			Likelihood	Extremely Un			likely		Unlikely	Possible	Probable			Multiple		ultiple
Reason for Revision (if applicable):									Comments: Occupancy/						
										for fire is continuously p	present, and o	peratio	ns are	e arou	nd-the-	clock.
		Before Additional Controls								A	After A	Additi				
Physical Item or Activity	Hazard(s)	Control(s)				Severity B	Likelihood C	Risk* AxBxC	Control(s) Added to Reduce Risk				Severity B	Likelihood C	Risk* AxBxC	% Risk Reduction
Electrical Fire	Smoke And Heat	Fire detection & suppression systems; equipment protective systems; ASSRC/ESRC reviews; Fire Hazards Analysis; Fire stops; all equipment is listed or reviewed by CEE; Tier 1 inspections; maintenance; electrical & life safety code compliance; emergency procedures; EMTs & BNL fire rescue; removal of unused cable; ASE requirements; audible alarms; evacuation procedures and training; upgrading fire alarm panels (ongoing); replacement of faulty Edwards's 281A heat detectors (2005); replacement of front-end site-wide fire alarm system that allows more monitoring ability (2005)			5 Nse	2	4	40	Encourage the Laboratory to provide a real commitmen about fire alarm/detection upgrades. This action is base on Management Review of 9/14/2005.				2	3	30	25 %
Flammable Liquid Fire	Smoke And Heat	Fire detection & suppression systems; procedures; training; chemical segregation; volume controls; fire cabinets; MSDS; Tier 1 inspections; storage controls; ventilation; labeling; ignition source control			5	2	2	20								
Flammable/Explosive Gas Fire	Smoke And Heat	Fire detection & suppression systems; procedures; training; equipment protective systems; ASSRC/ESRC reviews; Fire Hazards Analysis; Tier 1 inspections; maintenance; emergency procedures; BNL Fire Rescue; ASE requirements; volume controls; segregation controls; labeling; area posting; gas detection interlock systems; Class I Division II explosion-proof equipment where appropriate			5	5	1	25								
Combustible Material Fire	Smoke And Heat	Fire detection & suppression systems; procedures; training; equipment protective systems; C-AD housekeeping policy; all equipment is listed or reviewed by CEE; Tier 1 inspections			5	2	2	20								
Chemical Fire	Smoke And Heat	Fire detection & suppression systems; procedures; training; equipment protective systems; all equipment is listed or reviewed by CEE; C-AD housekeeping policy; Tier 1 inspections, Fire Hazards Analysis		t	5	2	3	30								
Dry Vegetation Fire	Smoke And Heat	Fire breaks; maintenance of fire breaks; procedures; training; BNL site- wide warning alarm system; Fire Hazards Analysis; Tier 1 inspections; Emergency procedures; BNL Fire Rescue			5	1	2	10								
Natural Phenomenon	Lightning And Subsequent Fire	Fire Hazards Analysis for lighting risk, lightning protection where required			5	1	2	10								
Radiation Energy Deposition (Targets) - Fire	Smoke And Heat Fire detection & suppression systems; pr		Previews; Fire Hazards Analys are; ASE requirements; access	sis;	1	1	2	2								
Further Description of	Controls Added to Reduce			l			1		1				1			
*Risk:	0 to 20	21 to 40		41-60			61 to 80		1	81 or greater						
NISK.	Negligible			Moderate					Substantial			Intolerable				